CoGen Personal Firewall Online Manual

- Install and Uninstall
- Quick Start
- Functions
- Detailed Settings
- Update

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Install & Uninstall

- System Requirements & Languages
- Install CoGen Personal Firewall
- Uninstall CoGen Personal Firewall

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Quick Start

- Start Firewall
- Main Window
- Menus
- Buttons
- Tabs

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Functions

- Start Firewall
- Set Security Level
- Switch Mode
- Select Language
- Select Skin
- View Log
- Trojan Scan
- PassWatcher
- Enable / Disable Firewall
- Connect / Disconnect
- Exit

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Detailed Settings

From the CoGen Personal Firewall main window, select **Settings > Detailed Settings**.

- Standard settings
- Advanced settings
- Rules settings

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Update

- Connection
- User ID
- SmartUpdate

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System Requirements & Languages

Operating System

- Windows: Windows 98/Me/NT/2000/XP/2003

Hardware

- CPU: Pentium III, 500 MHz or higher
- RAM: 64 MB or above
- Display: Standard VGA, 24-bit true color
- Other: CD-ROM drive, mouse

Languages

CoGen Personal Firewall is currently available only in English language. More languages will be supported in the near future.

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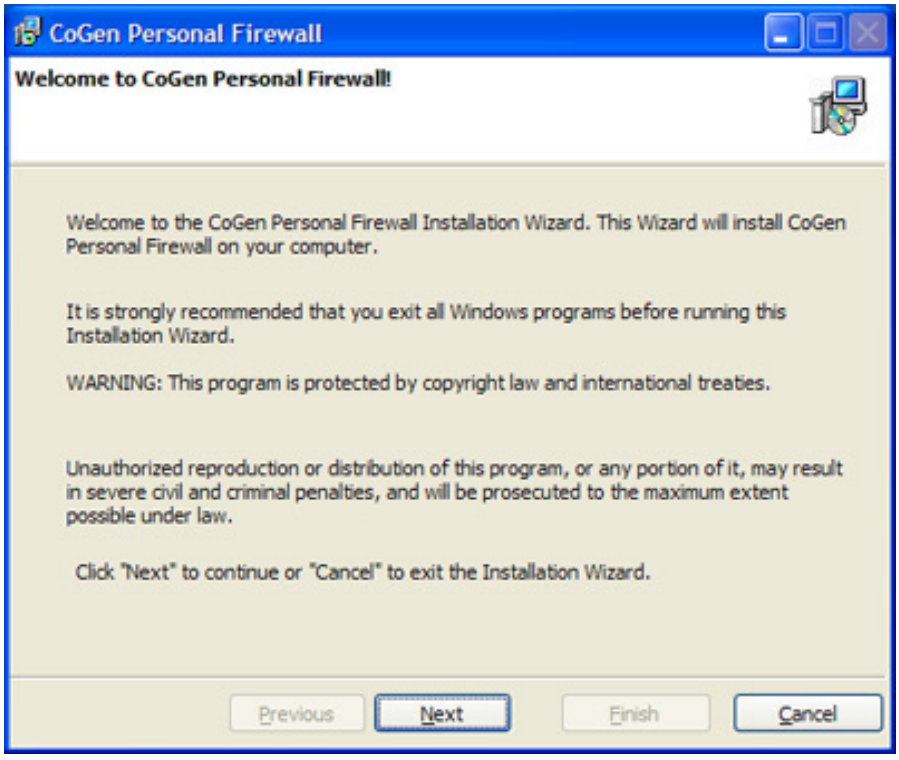
Install CoGen Personal Firewall

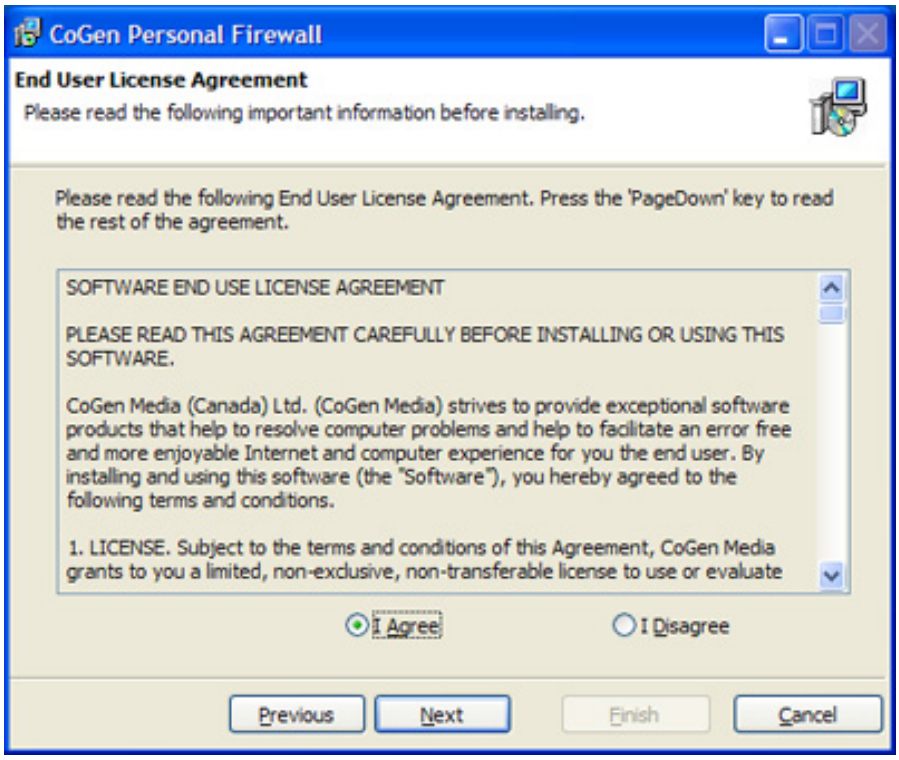
Step 1: Boot your computer and start Windows (98/Me/NT/2000/XP/2003). Close all other applications.

Step 2: Insert the CoGen CD into the CD-ROM drive. If the opening screen does not appear, double-click Autorun.exe in the root directory of the CD. If you downloaded the CoGen Personal Firewall installation program from the Internet, double-click the installation package to begin. Select "Install CoGen Personal Firewall".If you download installation file from CoGen website ,please run “CoGen_FW.exe” .If you download installation file from CoGen website ,please run “CoGen_FW.exe” .

Step 3: Click "Next" to continue;


CoGen Personal Firewall
Welcome to CoGen Personal Firewall!
Welcome to the CoGen Personal Firewall Installation Wizard. This Wizard will install CoGen Personal Firewall on your computer.
It is strongly recommended that you exit all Windows programs before running this Installation Wizard.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Click 'Next" to continue or "Cancel" to exit the Installation Wizard.
Previous
Next
Finish
Cancel

Step 4: Read the End User License Agreement. Select "I Agree" and click "Next" to continue, or "I Disagree" to exit.


CoGen Personal Firewall
End User License Agreement
Please read the following important information before installing.
Please read the following End User License Agreement. Press the 'PageDown' key to read the rest of the agreement.
SOFTWARE END USE LICENSE AGREEMENT
PLEASE READ THIS AGREEMENT CAREFULLY BEFORE INSTALLING OR USING THIS SOFTWARE.
CoGen Media (Canada) Ltd. (CoGen Media) strives to provide exceptional software products that help to resolve computer problems and help to facilitate an error free and more enjoyable Internet and computer experience for you the end user. By installing and using this software (the "Software"), you hereby agreed to the following terms and conditions.
1. LICENSE. Subject to the terms and conditions of this Agreement, CoGen Media grants to you a limited, non-exclusive, non-transferable license to use or evaluate
I Agree
I Disagree
Previous
Next
Finish
Cancel

Step 5: Click "Finish" to install all components in the default mode. For custom installation, you can select the components you wish to install and click "Next".

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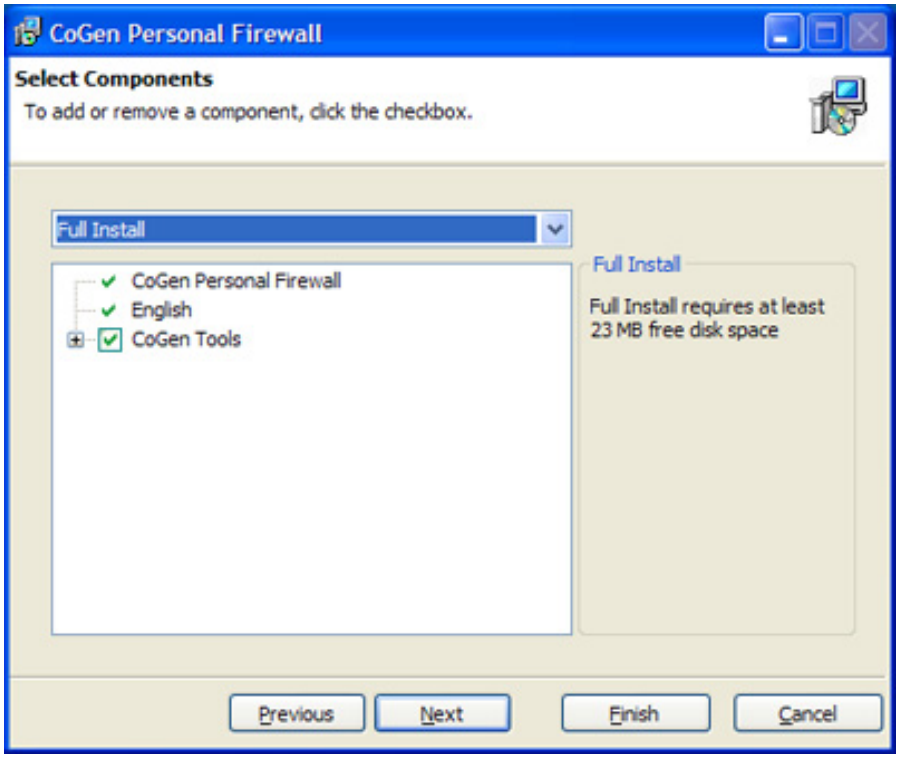
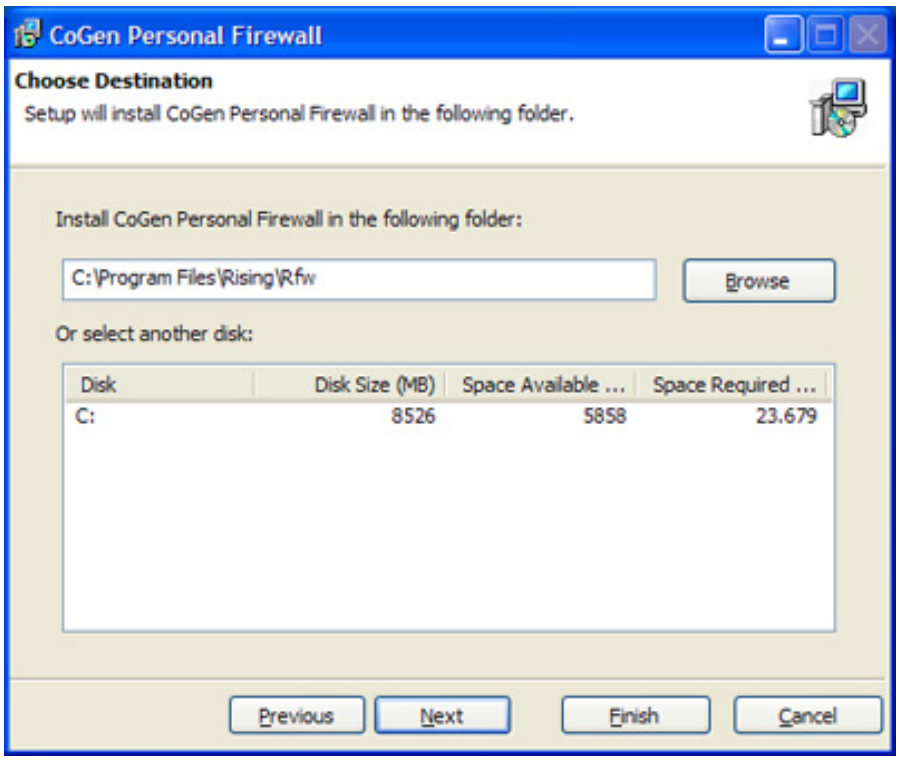


Step 6: In Choose Destination, select the destination folder and click "Next" to continue.



Step 7: In Select Program Folder, choose the program folder and click "Next" to continue.

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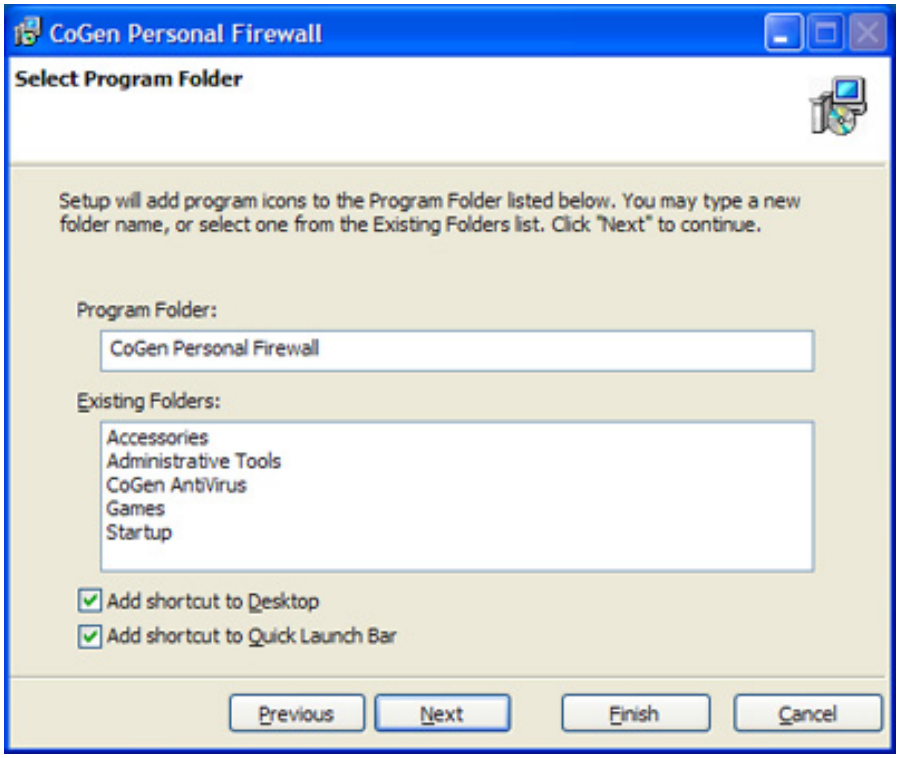
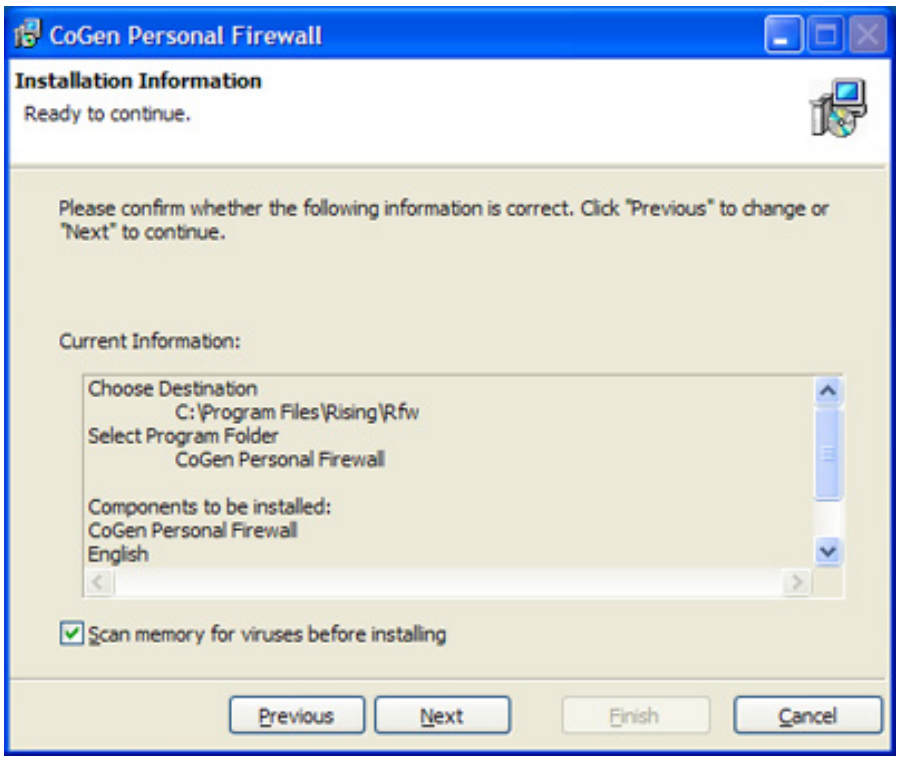


Step 8: In **Installation Information**, confirm the information and click "Next" to continue.



Step 9: If you selected **Scan memory for viruses before installing** in the previous step, then a memory scan will be performed. This process may take 3-5 minutes. Select "Skip" to abort the scan and continue the installation.

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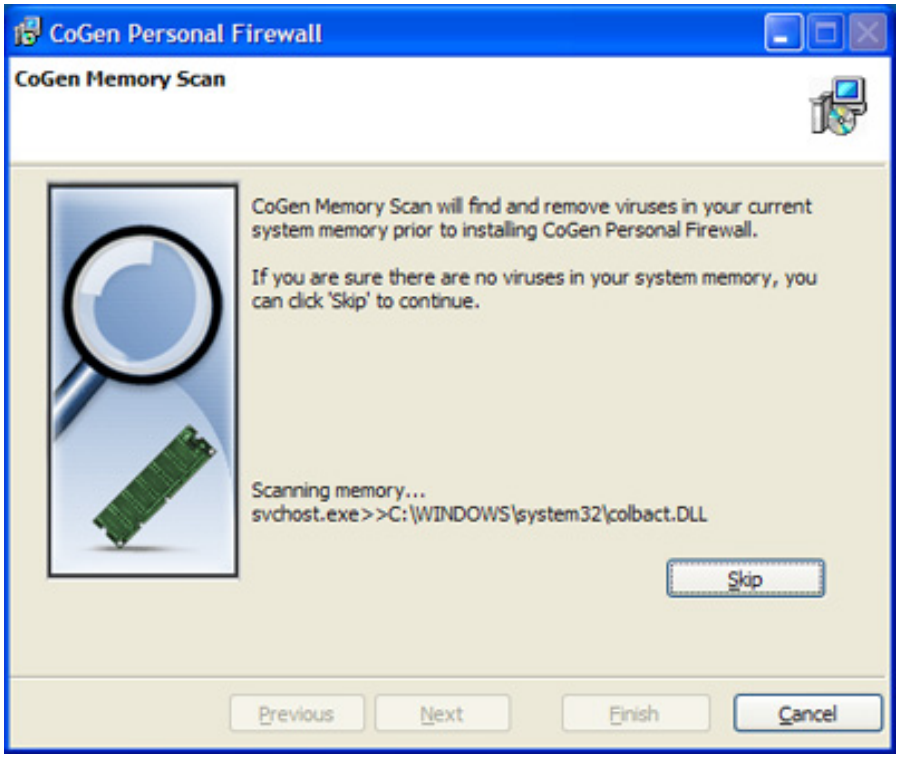
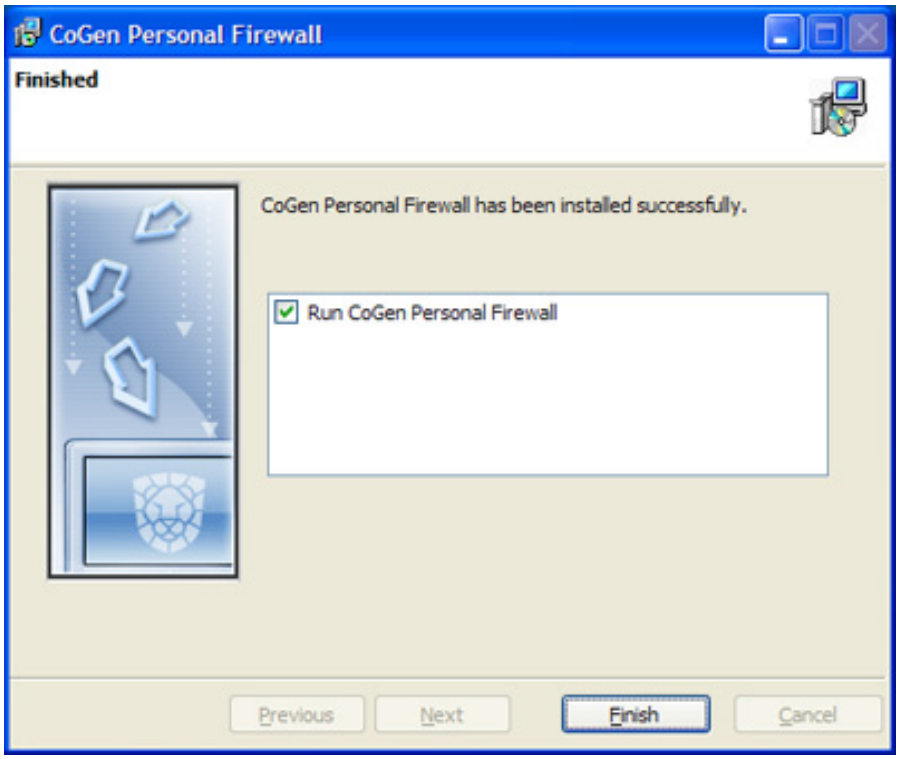

CoGen Personal Firewall
CoGen Memory Scan
CoGen Memory Scan will find and remove viruses in your current system memory prior to installing CoGen Personal Firewall.
If you are sure there are no viruses in your system memory, you can click 'Skip' to continue.
Scanning memory...
svchost.exe>>C:\WINDOWS\system32\colbact.DLL
Skip
Previous
Next
Finish
Cancel

Step 10: After installation is complete, you can choose either to **Run CoGen Personal Firewall** or **Run Registration Wizard**. Click "Finish" to complete the installation.

More

After the software is installed for the first time and if you have checked "Run Registration Wizard", the program will automatically try to connect to CoGen website. You can only enjoy normal update service after you complete product registration and activate the User ID, which is printed in User Identification Card on the first page of User's Manual. After you purchase CoGen Antivirus, please connect to CoGen website for registration as soon as possible.



Step 11:Input your Product Key and User ID into the reminded window , then select “ Register” , complete installation.
Notice: if you do not have the License Key, please click “ Buy Now” to obtain.

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CoGen Personal Firewall
CoGen Personal Firewall
Your license will expire! Click "Buy now" to obtain a new license.
Notice: If you already have a Product Key and User ID,
enter below to register your product.
Product Key
User ID
Register
To obtain a Product Key click "Buy Now"
For more information click "Online Help"
Product Status
There are 30 day(s) left to use this software.
Close
Buy now
Online help
Done

It is strongly recommended that other personal firewalls be uninstalled before this software is installed.

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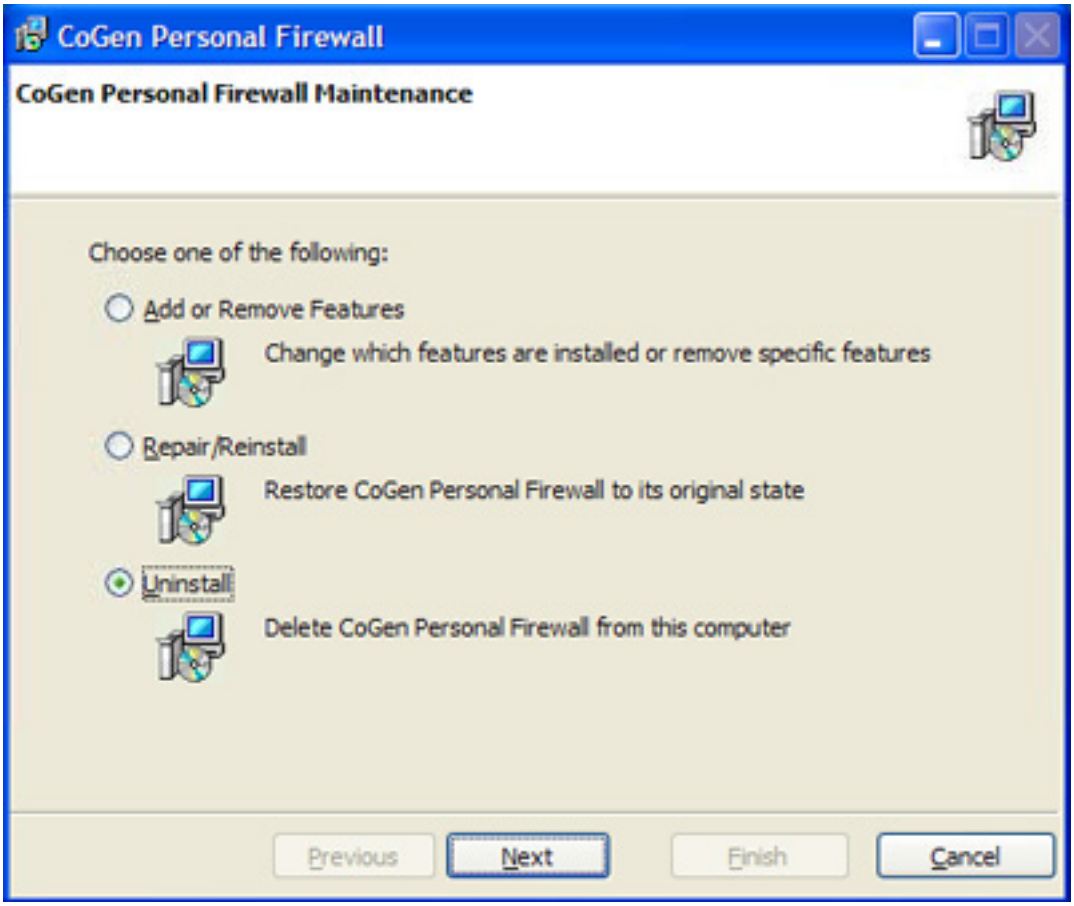
Uninstall CoGen Personal Firewall

You can easily uninstall all files, program groups, shortcuts and the registry of CoGen Personal Firewall.

Method 1:

- Boot the computer and start Windows (98/Me/NT/2000/XP/2003);
- In the Windows Start menu, select **Programs > CoGen Personal Firewall > Add or Remove Components**, select **Uninstall** and click **Next**.



Method 2:

- Boot the computer and start Windows (98/Me/NT/2000/XP/2003);
- Open the Control Panel and double click **Add/Remove Programs**.
- Select **CoGen Personal Firewall** in **Change/Remove Programs**, then click the **Change/Remove** button to uninstall.

After uninstall is complete, click **Finish**. If **Delete installation directory** is checked, the firewall installation directory will be deleted.

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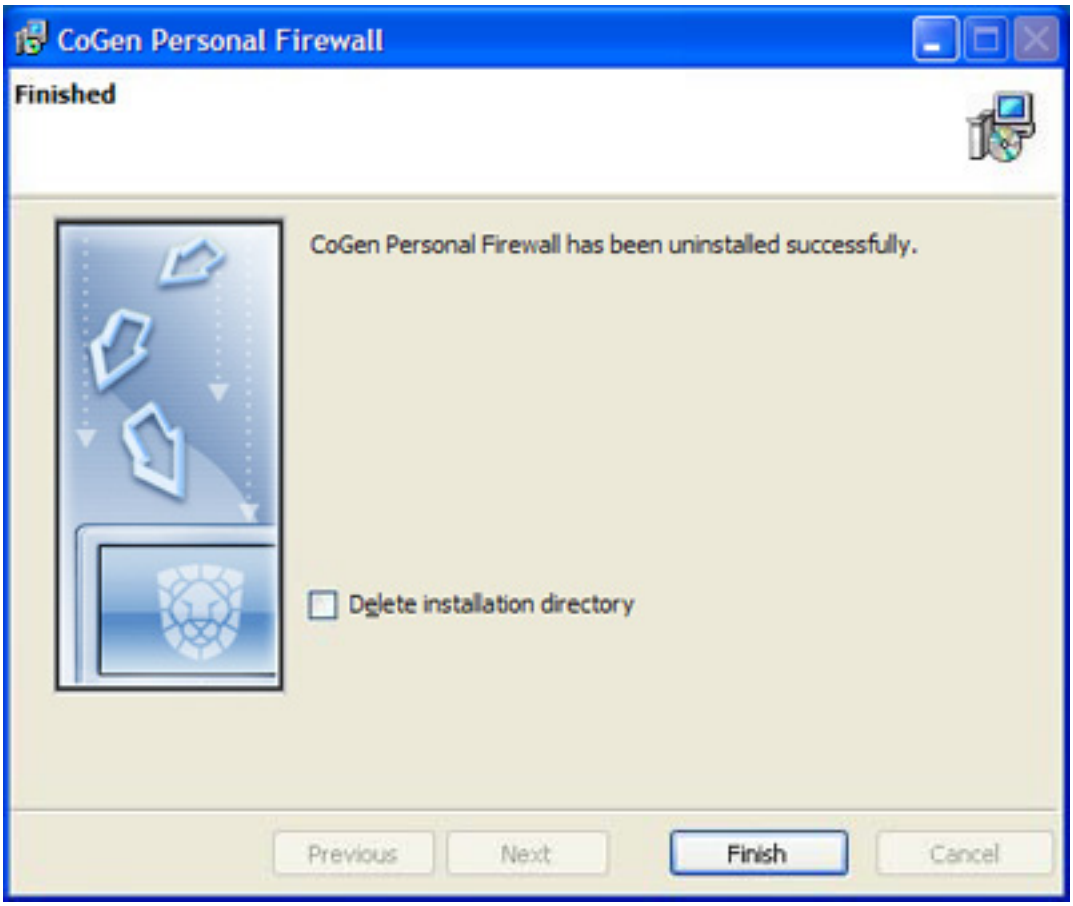

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Start Firewall

There are three ways to start CoGen Personal Firewall:

Method 1:

- In the Windows Start menu, select **Programs > CoGen Personal Firewall > CoGen Personal Firewall**

Method 2:

- Double click the shortcut icon

on the desktop to start CoGen Personal Firewall

Method 3:

- Click the icon

in the Quick Launch area of the taskbar

You can set CoGen Personal Firewall to launch automatically at startup (refer to Standard Settings). You can double click the icon in the system tray (or right click the icon and select "Open Main Menu") to display the main window.

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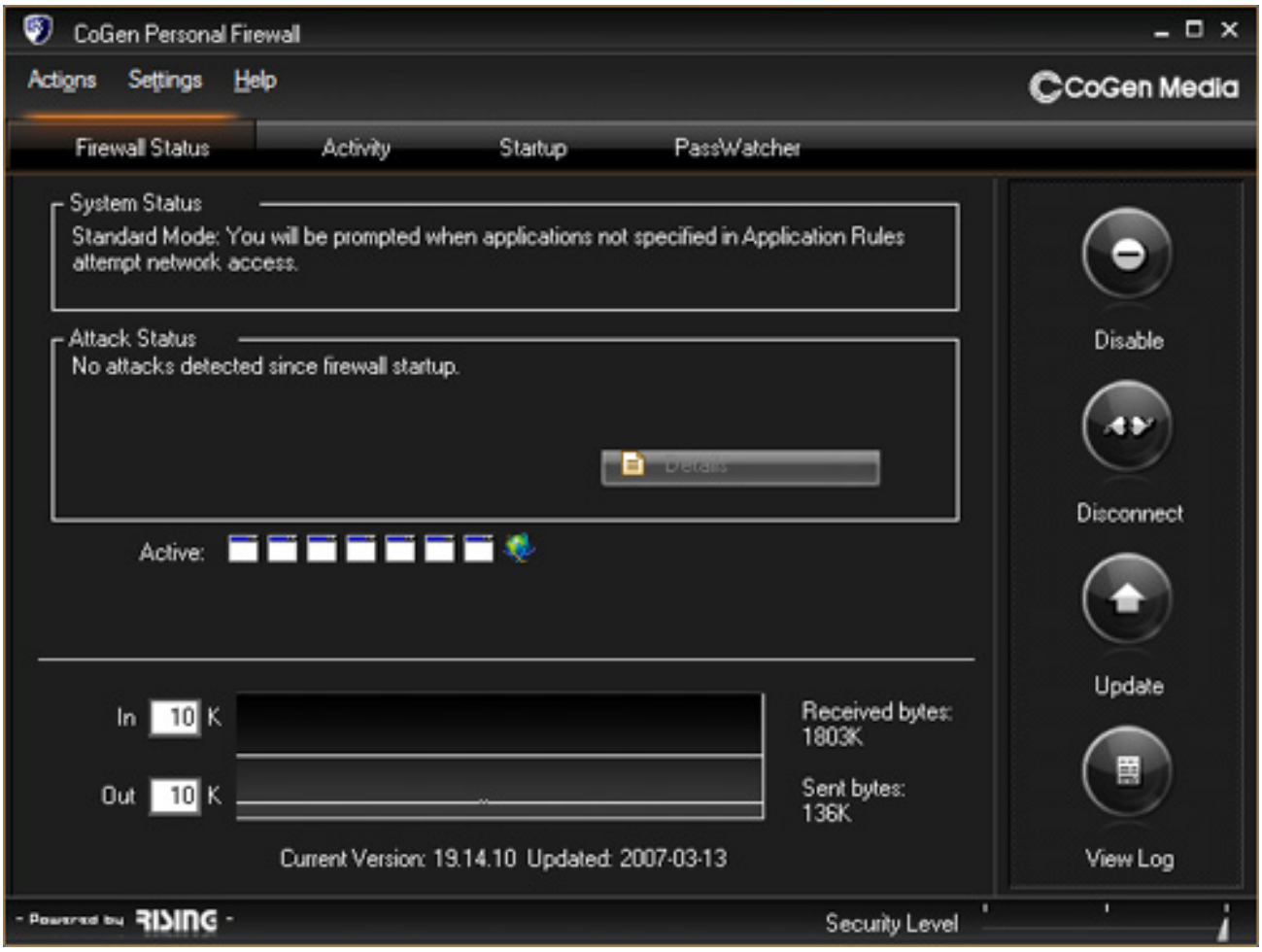
Main Window



Contents

- **Menu Bar:** Shortcuts to menu actions, including **Actions, Settings** and **Help**. For more information, refer to Menus.
- **Buttons:** Buttons are located on the right side of main window, including **Enable / Disable, Connect / Disconnect, Update and View Log**. For more information, refer to Buttons.
- **Tabs:** Tabs are located in the main interface, and include **Firewall Status, Activity, Startup, PassWatcher and Vulnerability**. For more information, refer to Tabs.
- **Security Level:** The Security Level setting is at the bottom-right of the window. Drag the sliding block to the preferred level. For more information, refer to Set Security Level.
- **Current Version and Updated Date:** Current version and date last updated are displayed near the bottom of the main window.

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Menus

Menus include:

- Actions (O)
- Settings (T)
- Help (H)

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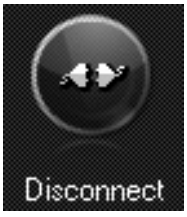
Buttons

Buttons are located on the right side of the main window, and include "Enable / Disable", "Connect / Disconnect", "Update" and "View Log".

Icon	Function
	• Disables firewall protection. Selecting this will turn off firewall protection. • If firewall protection is already stopped, this button will switch into **Enable**. Click it to enable firewall protection again. • You can also select **Actions > Disable Firewall**
	• Disconnects your PC from the network just like unplugging the network cable or switching off the modem. Other people cannot access your computer, but you cannot access the network either. • After disconnecting, this icon will change to **Connect**. Click it to restore network connection. • You can also select **Actions > Disconnect**
	• Starts SmartUpdate to update the program • You can also select **Actions > SmartUpdate** • For more information, refer to Update
	• Opens the log files. For more information, refer to View Log • You can also select **Actions > View Log**

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Tabs

Tabs are located at the top of main window. The selected tab will be highlighted.

There are six tabs:

- Firewall Status
- Activity
- Startup
- PassWatcher

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Set Security Level

Steps

1. Open the CoGen Personal Firewall main window (refer to Start Firewall)
2. Drag the sliding block at the bottom right of the window to the preferred security level

Definitions and rules for the security levels:

- Low: This setting is appropriate when your computer is connected to a local network without Internet access. All network access is allowed unless otherwise specified in Rules.
- Medium: This setting is appropriate when your computer is connected to a local network with Internet access. Sharing is allowed by default, but some risky ports will be denied access.
- High: This setting is appropriate when your computer is connected to the Internet directly through a modem, ISDN, DSL, cable modem, T1 line, or another direct connection. Only programs specified in Rules will be permitted access.

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Switch Mode

CoGen Personal Firewall has three preset modes you can select: Standard Mode, Shopping Mode, and Silent Mode. The Screen Saver, Locked, and Logged Out modes are enabled automatically when your computer is in these respective states. PassWatcher Mode will be enabled automatically when a program specified in the PassWatcher tab is running.

There are two ways to change the mode:

Method 1:

1. Open the CoGen Personal Firewall main window (refer to Start Firewall)
2. Select **Actions > Switch Mode** and click the preferred mode

Method 2:

1. Right-click the CoGen Personal Firewall icon in the system tray
2. Select **Switch Mode** in the pop-up menu, then select the preferred mode

For more information, refer to Menus, General Settings.

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Select Language

If your edition of CoGen Personal Firewall includes support for multiple languages, you can select the language as follows:

1. Open CoGen Personal Firewall main window
2. Select **Settings > Select Language**
3. Choose your preferred language in the pop-up window, then click OK

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Select Skin

➢ Steps

1. Open the CoGen Personal Firewall main window
2. Select **Settings > Select Skin** and choose the preferred skin

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View Log

There are three ways to open the Log file:

- Click the **View Log** button in the main window. Refer to Buttons.
- Select **Actions > View Log** in the main window
- Right-click the CoGen Personal Firewall icon in the system tray and click **View Log** in the pop-up menu

Notes on Logs

There are ten types of Logs:

- System Events: This log records events such as system attack, firewall enabled/disabled, disconnect
- IP Events: This log records IP information on firewall records requested by rules
- TCP Events: This log records TCP information on firewall records requested by rules
- UDP Events: This log records UDP information on firewall records requested by rules
- PassWatcher Events: This log records information on PassWatcher events
- IP Rules Events: This log records IP rules edited by the user
- Firewall Settings Events: This log records firewall settings configured by the user
- PassWatcher Edits: This log records event information of firewall rules edited by the user
- Trojan Scan Events: This log records event information of Trojan scans in the memory

Operation:

- Backup All: This will automatically create a backup of all log data and clear the screen. To load the old data, click the Log History button and load the file.
- Clear All: This will clear all logs without saving a backup.
- Log History: Allows you to select previously saved logs (*.dat) and import then into the list for view.

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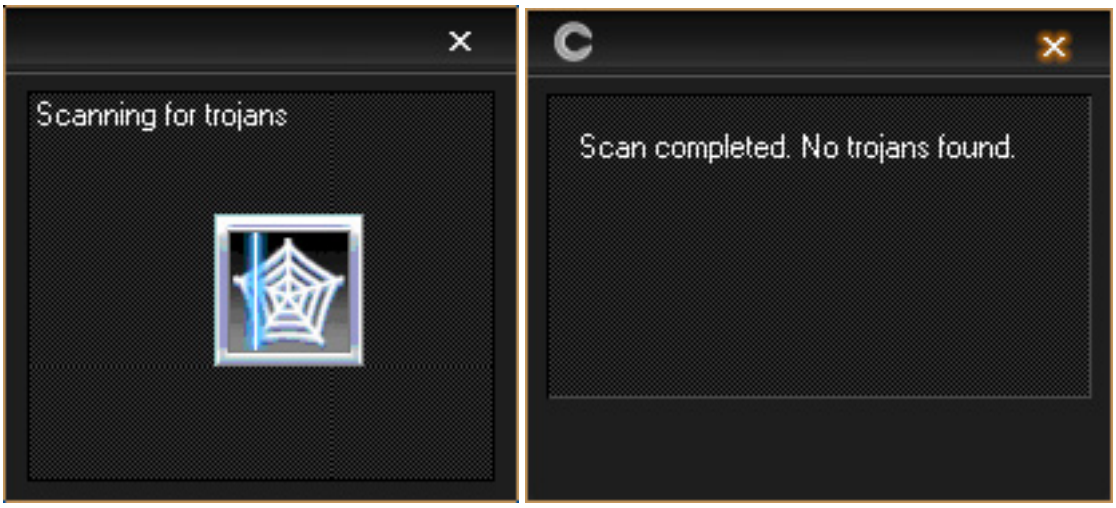
Trojan Scan

➢ Steps

1. Open CoGen Personal Firewall main window
2. Select **Actions > Scan Memory for Trojans**
3. A scan window will appear in the bottom right corner of your screen. A prompt will appear when the scan has finished. You can click **Details** to view the results.



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PassWatcher

Steps

1. Open firewall main window
2. Select **Settings > PassWatcher**

For more information, refer to PassWatcher

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Enable / Disable Firewall

There are three ways to enable or disable firewall protection.

Method 1:

1. Open the CoGen Personal Firewall main window
2. Click the **Enable / Disable** button on the right side of the main window

Method 2:

1. Open the CoGen Personal Firewall main window
2. In the main window, select **Actions > Enable Firewall / Disable Firewall**.

Method 3:

1. Right-click the CoGen Personal Firewall icon in the system tray, then select **Enable / Disable Firewall**.

For more information, refer to Menus.

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Connect / Disconnect

Steps

Method 1:

1. Open CoGen Personal Firewall
2. Click the **Connect / Disconnect** button on the right side of main window

Method 2:

1. Open CoGen Personal Firewall
2. In the main window, select **Actions > Connect / Disconnect**

Method 3:

1. Right click the firewall tray icon, then select **Connect / Disconnect** in the pop-up menu

For more information, refer to Menus.

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Exit CoGen Personal Firewall

Steps

1. Right click the firewall tray icon, then select **Exit**.
2. Click **OK**.

This operation will completely close the personal firewall, and your computer will lose firewall protection.

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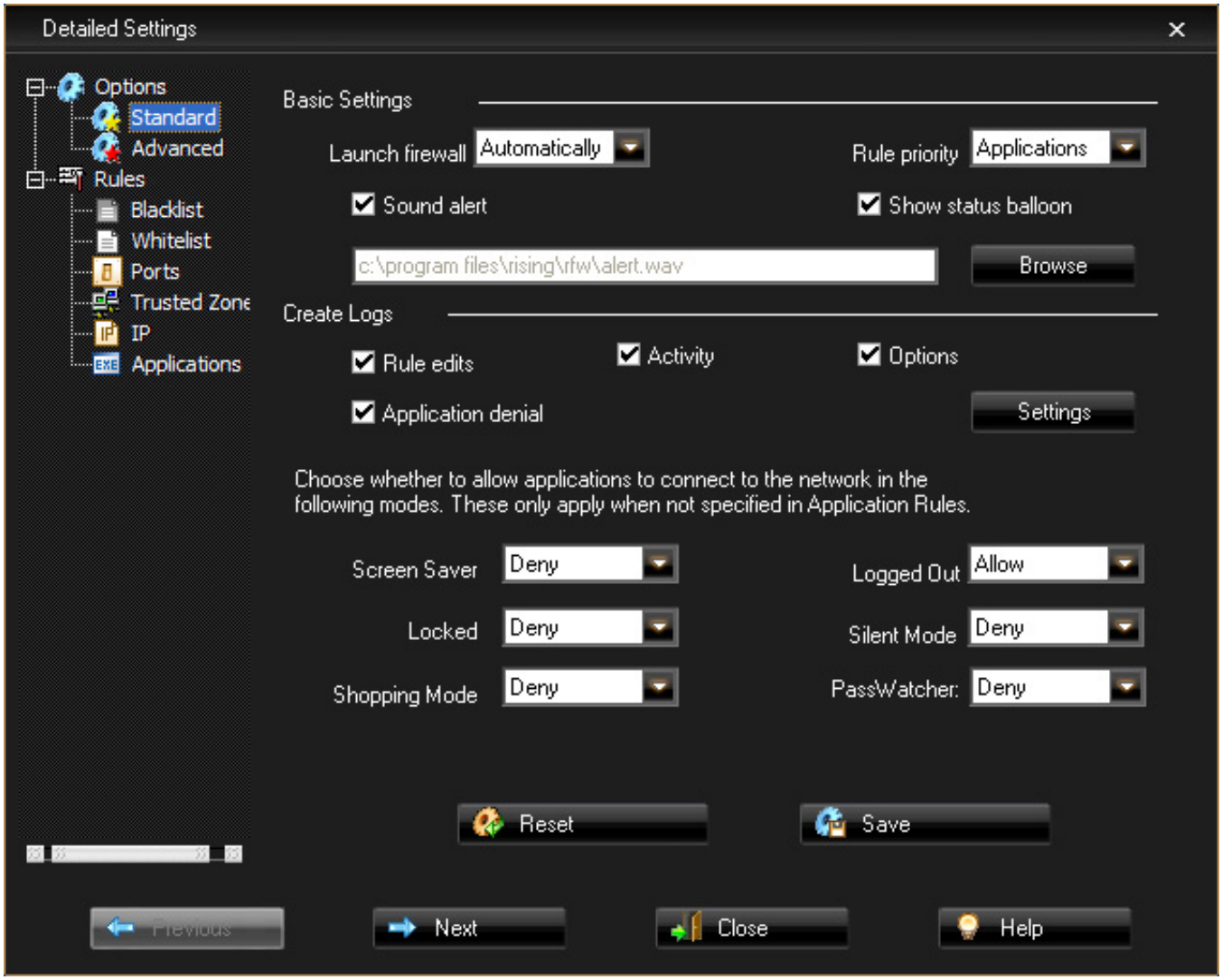
Standard Settings



➢ Operation Method

Method 1:

1. Open firewall main menu.
2. Select **Settings > Detailed Settings**.

Method 2:

1. Right click the firewall tray icon
2. Select **Detailed Settings** in the pop-up menu

➢ Settings

Launch firewall

- Automatically: Firewall will start automatically upon system startup. This is a default setting.
- Manually: Firewall doesn't start upon system startup.

Rule priority

- You can select **Applications** or **IP** for rule priority. When there's any conflict between Applications and IP, the firewall will proceed with the selected option.
- For example, Applications allows IE program to access the network while IP prohibits the access to CoGen website. If you select the rule priority

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as **Applications**, then it can access CoGen website. If you select **IP**, you cannot access CoGen website even if Applications allows IE to access the website.

Sound alert

- Set whether the computer produces sound alert when it is under attack.
- You can click **Browse** to select the sound file (*.wav) for alert.

Show status balloon

- Configure whether the balloon is displayed for firewall status. It is selected in default.

Create Logs

- Define which types of events will be recorded in logs, including **Scan memory for Trojans, Activity, Options, Application denial, Rule edits**.

Click "Settings" for more detailed settings.

- Log size: Set log size. Default size is 5M.
- Show __ items per pages: Set the number of items shown per pages. Default number is 500.
- Backup when maximum size reached: It is checked in default.
- Backup limit: Set the maximum size of backup files. Default size is 100M.
- Backup to: The destination to save backup files. Click **Browse** to change the path.

Choose whether to allow applications to connect to the network in the following modes:

- Three default actions:
  - Deny: Request for network access by applications will be denied without prompting the user.
  - Allow: Request for network access by applications will be allowed automatically without prompting the user.
  - Ask me: Prompt the user to select whether it is allowed.
- Six modes:
  - The firewall executes different rules based on different modes and different computer statuses.
  - Screen Saver: The option of request for network access by applications under screen saver. "Deny" is in default.
  - Locked: The option of request for network access by applications under locked screen. "Deny" is in default.
  - Online Game: The option of request for network access by applications after entering the game program specified by Game Protection. "Deny" is in default.
  - Shopping Mode: The option of request for network access by applications under shopping mode. "Deny" is in default.
  - Logged Out: The option of request for network access by applications under logged-out mode. "Deny" is in default.
  - Silent Mode: The mode without interaction with the user and the option of request for network access by applications under silent mode. "Deny" is in default.

Screen Saver, Logged Out, Locked and Online Game can be automatically switched according to the computer status. Other three modes are in manual switch. Refer to Switch Mode.

Other Functions

- Reset: Revert to default settings
- Save: Save current settings

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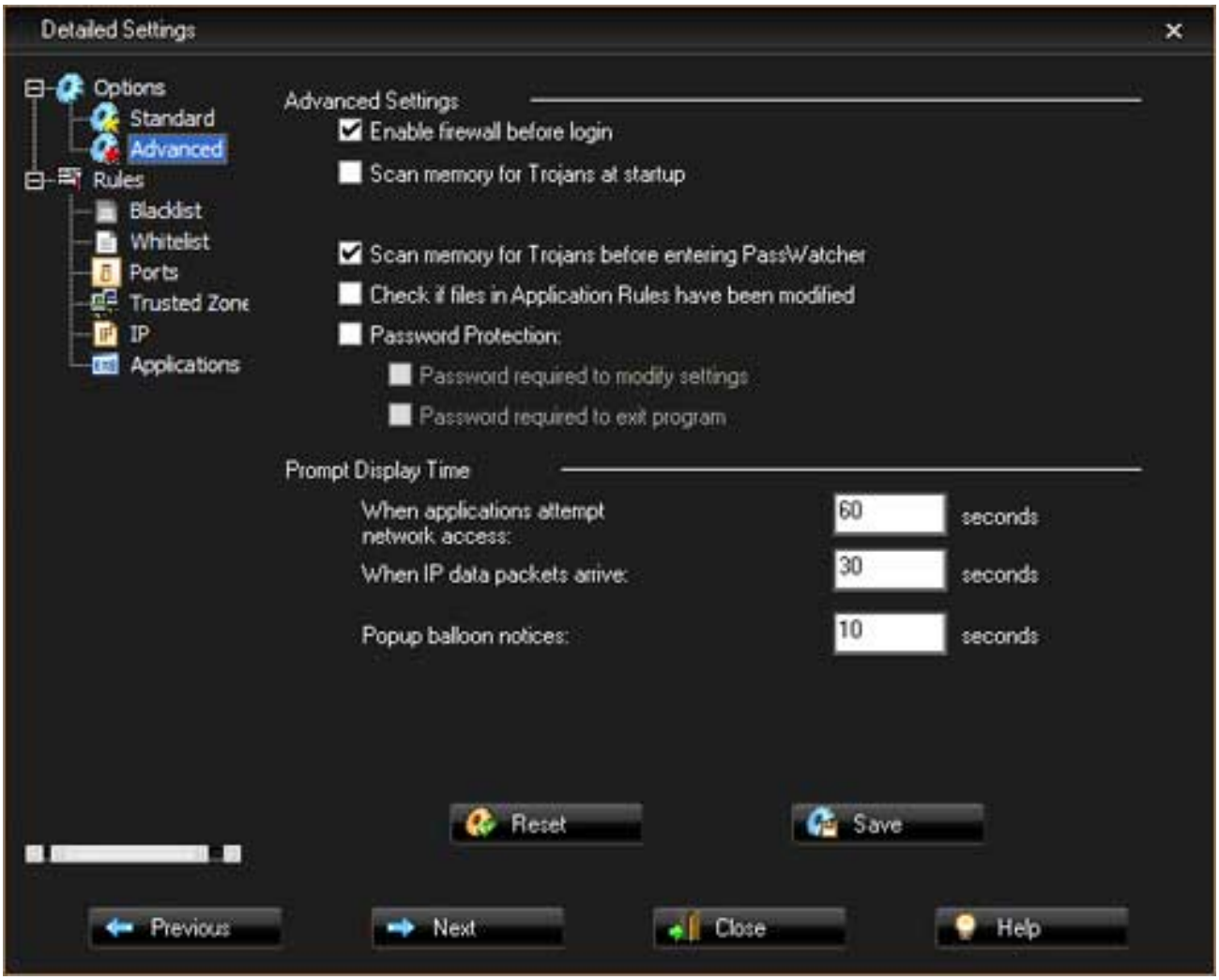
Advanced Settings



➢ Opening Detailed Settings

Method 1:

1. Open firewall main menu
2. Select **Settings > Detailed Settings**
3. Select **Options > Advanced** in the left column

Method 2:

1. Right click the firewall tray icon
2. Select **Detailed Settings** in the pop-up menu
3. Select **Options > Advanced** in the left column

➢ Settings

Advanced Settings

- Enable firewall before login: The system is under firewall protection without login. It is checked in default.
- Scan memory for Trojans before entering PassWatcher: Trojan scan is automatically performed when starting the game. It is checked in default.

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- Scan memory for Trojans at startup: Trojan scan is automatically performed when the firewall starts up. It is not checked in default.
- Check if files in Application Rules have been modified: It can check if the file is modified. If any setting is to be made upon the file under protection, you need to make settings in Applications. For more information, refer to Applications. It is unchecked in default.
- Password Protection: You can select "Password required to modify settings" and "Password required to exit program". This option can prevent unauthorized people from modifying firewall settings or close the firewall. It is unchecked in default.

When Password Protection is enabled, a "Enter password" window will pop up for you to input the password.

Prompt Display Time

- When applications attempt network: Enter the prompt display time when applications attempt network. The default time is 60 seconds.
- When IP data packets arrive: Enter the prompt display time when IP data packets arrive. The default time is 30 seconds.
- Popup balloon notices: Enter the prompt display time when popup balloon notices. The default time is 10 seconds.

Vulnerability Check

- Set **Remind me to run next Vulnerability** in days. The default time is 5 days.
- If you don't perform the vulnerability check beyond the specified prompt time, it will display the prompt to remind you at **Risks** in **Firewall Status** page.

Other Functions

- Reset: Revert to default settings
- Save: Save current settings

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Rules

You can create rules to customize CoGen Personal Firewall.

- Blacklist: Specified IP addresses will always be denied communication with your computer
- Whitelist : Specified IP addresses will always be permitted to communicate with your computer
- Ports: Allow or deny communication with specific ports; turn on/off ports between local and remote ports
- Trusted Zone: You can differentiate your local network from the Internet via Trusted Zone settings
- IP: Set up IP layer filter rules
- Application: Choose whether to allow or deny specified programs to access the network

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Connection

➢ Steps

1. Open CoGen Personal Firewall
2. In the main window, select **Settings > Connection** to open the **Connection** window. Choose how SmartUpdate will access the Internet ("Use Internet Explorer connection settings" is the default setting).

3. If **Access Internet via proxy server** is selected, the server's IP address, port, and ID authentication (if necessary) must be entered.
4. Click **OK** to save changes.

Please ensure your network settings are correct, so that SmartUpdate can download program updates.
The **Access Internet via dial-up network** option only appear if you have dial-up Internet access.

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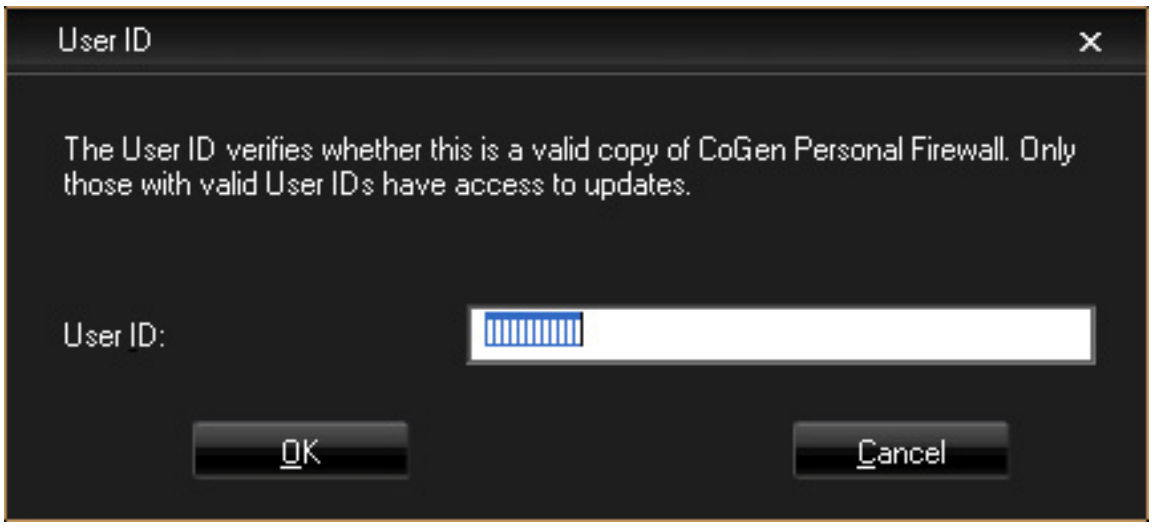
User ID

The User ID verifies that you are using a valid copy of CoGen Personal Firewall. A valid User ID is needed for program updates.

➢ Steps

1. Open CoGen Personal Firewall main window
2. Select **Settings > User ID** to open the **User ID** window


User ID
The User ID verifies whether this is a valid copy of CoGen Personal Firewall. Only those with valid User IDs have access to updates.
User ID:
OK
Cancel

3. Input your User ID (this may already have been entered)
4. Click **OK** to confirm

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SmartUpdate

SmartUpdate checks for and downloads any updates to CoGen Personal Firewall. There are three ways to begin SmartUpdate.

- Method 1: Click the **Update** button on the right side of the main window
- Method 2: In the main window, click **Actions > SmartUpdate**
- Method 3: Right-click the firewall icon in the system tray and select **SmartUpdate Now** in the pop-up menu

Before you begin SmartUpdate, please make sure your computer is connected to the Internet and Connection is configured.

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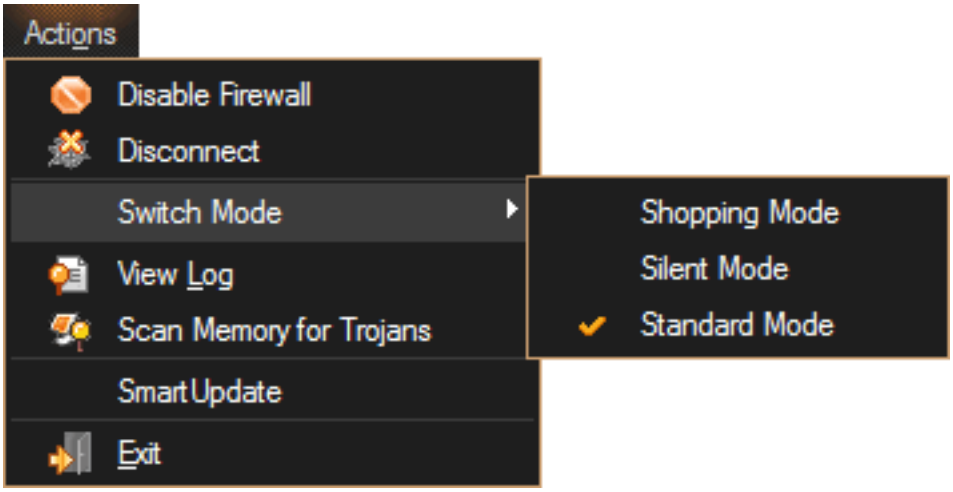
Actions



Disable Firewall

- Disables all firewall protection. This option is the same as the **Disable** button in the main window.
- When the firewall has been disabled, this option will be changed into **Enable Firewall**. Click it to restart firewall protection.

Disconnect

- This function disconnects your computer from the network, just as if the cable is pulled out or the modem is turned off. If someone is continuously attacking your computer via different methods, this will be the most direct and effective deterrent. This option is the same as the **Disconnect** button in the main window.
- After the network is disconnected, this option will change to **Connect**. Click it to resume network connection.

Switch Mode

- CoGen Personal Firewall has three default modes: Shopping Mode, Silent Mode and Standard Mode. The mode will determine whether the firewall will allow or deny a program network access. Specific settings for individual programs can be set in Application Rules. Detailed settings can be configured for each mode in the Settings window. (Refer to Standard Settings and Applications)

  Default applications for three modes are as follows:
  - Shopping Mode: Deny network access for any programs not listed in Application Rules
  - Silent Mode: Deny network access for any programs not listed in Application Rules without prompting the user
  - Standard Mode: Ask the user whether to allow or deny access for any programs not listed in Application Rules
- You can also right click on the firewall tray icon to switch modes

View Log

- Opens the log window. This option is the same as the **View Log** button in the main window.

Scan Memory for Trojans

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- Starts performing Trojan scan. After the scan finishes, results will be displayed.

SmartUpdate

- Begins SmartUpdate, which will check for any program updates. This function is the same as the **Update** button in the main window.
- For more information on SmartUpdate, refer to Update.

Exit

- Closes the main window. Note that only the main window will close, and firewall protection will still be active. If you want to fully exit the program and disable all firewall protection, right-click the CoGen Personal Firewall in the system tray and choose Exit.

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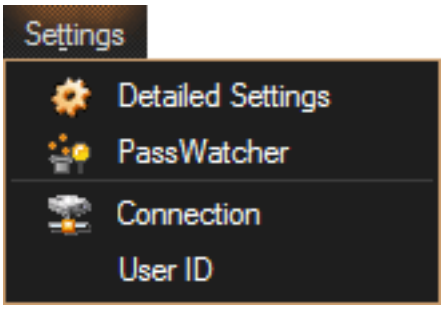
Settings



Detailed Settings

- Opens the Detailed Settings window.

PassWatcher

- PassWatcher provides protection for passwords that are used in online games, online banking, and other situations. CoGen Personal Firewall protects passwords by using process wall technology that effectively prevents passwords from being stolen and transmitted. PassWatcher can be enabled for many different programs that use passwords. For more information, see PassWatcher.

Connection

- This allows you to adjust the connection settings for SmartUpdate. For more information, refer to Connection.

User ID

- Set the User ID to enable SmartUpdate. For more information, refer to User ID.

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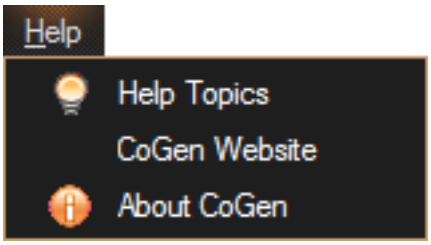
Help



Help Topics

- Takes you to the Help file, where you can find answers to common questions

CoGen Website

- Choose this to connect to the CoGen homepage

About CoGen

- View CoGen Personal Firewall copyright and version information

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Firewall Status

This is the tab that appears when you first open CoGen Personal Firewall.

System Status

- This displays the mode in which CoGen Personal Firewall is currently operating, along with the default action when applications not specified in Application Rules attempt network access. Refer to "Switch Mode".

Attack Status

- This section displays information on any attempted attacks upon your computer. Following an attack, click **Locate IP** to determine the attacker's IP address. Click **Details** to view the log recording the attack.

Active

- This displays the icons of programs running on your computer. If the program is busy, its icon will be flashing.

Risks

- This will display any vulnerabilities detected in your computer, including Critical Updates that have not been installed and Potential Security Risks.
- You can ask to be reminded to run Vulnerability Check. Refer to "Advanced Settings".

Data Flow Curve

- The graph near the bottom of the window is the Data Flow Curve and contains two lines. The above curve is for **Received bytes** and the bottom one is for **Sent bytes**.
- To the left of the graph, you can manually adjust the highest peak for the data packet curves (set at 10K by default and unnecessary to change under normal circumstances).
- To the right of the graph, the number of received and sent bytes is displayed.

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Activity

The Activity tab allows you to check network activities as well as processes, network access, module information, etc. You can switch between **Network** and **Processes**. The default page shows Network activities.

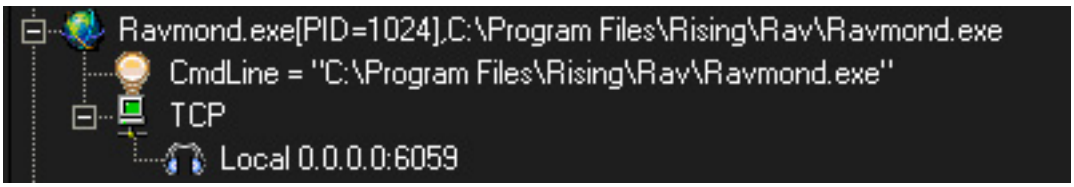
Network

➢ Display

All TCP/UDP connection information is displayed here, including all TCP/UDP monitors.

- Connections are listed according to processes and sorted by program name.
- For each application program, program name, PID and program path are listed. Program command, TCP/ UDP monitor and connection information (address, port, port information) are shown below.

  Show Example

  Take Ravmond.exe for example, you can see that the application program is Ravmond.exe, PID is 1220, the path is C:\Program Files\CoGen\Rav\Ravmond.exe, command line is "C:\Program Files\CoGen\Rav \Ravmond.exe". The program monitors TCP 6059 port of all local addresses.
- Icon

	TCP monitor port
	Set up TCP connection
	UDP data transmission

➢ Operation

Right click the item to show a pop-up window for further actions as follows:

- Trojan Scan: This performs a Trojan scan upon the selected processes
- Go to Directory: Opens the directory where the process program is located
- Properties: View properties of the item

Processes

➢ Display

This displays information on processes and organizes all processes into a tree structure with hierarchy.

- Each process shows map name, process ID, full path and command line. (Note that you may need to move the scroll bar to see the last item.)
- The process icon, if any, will be displayed before the map name.

➢ Operation

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Right-click the process to choose further actions as follows:

- Suspend process: This will suspend the process - the process is displayed in gray and becomes invalid. Then it changes into "Resume process" and you can click it to resume the process.
- End process: This forces the process to end.
- Trojan Scan: This performs a Trojan scan upon selected processes.
- Go to directory: Opens the directory where the process program is located.
- Properties: View properties of the item.
- View Modules: View the module list loaded by the process, including module name, company and path.
- Highlight Microsoft Signed Items: This will highlight Microsoft signed items to be differentiated from other processes.
- Highlight CoGen Signed Items: This will highlight CoGen signed items to be differentiated from other processes.

Some processes such as Explorer.exe cannot be suspended or ended. Related options will be disabled.

Suspicious processes in the system will be marked in red. Be careful when dealing with these processes.

Stop Refreshing

- By default, the system automatically refreshes network activities and processes. Click this button to stop Refresh.
- When Refresh is turned off, this button will change to **Refresh On**. Click it to resume Refresh.

You can also right click the firewall tray icon, then select **System Status** in the pop-up menu to enter this tab.

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Startup

The Startup tab allows you to manage applications and registry keys that will launch at startup. These include programs in the Windows Startup folder, Run or RunOnce keys in the system registry and other system keys. Be careful when enabling or disabling items in this tab.

Display

- You will see a list of all items that run automatically upon system startup, including the item, description, company and path. You may need to scroll the bar to see all pages depending on the screen size.
- Items are grouped by category. Click the item for more detailed information, or double-click the item to locate it on your computer.

Operation

- Display Settings: **Right-click anywhere in the list** to choose what items to display. Checked items are selected. Contents in the settings include:
  - Show AutoRun
  - Show Services
  - Show Drivers
  - Show Explorer Plugins
  - Show Internet Explorer Plugins
  - Show System Image Hijacks
  - Show AppInit DLLs
  - Show Winlogon Notifications
  - Show Winsock Providers
  - Show Known DLLs
  - Show ShellExecute
  - Show Empty Items
  - Hide Signed Microsoft Items
  - Hide Signed CoGen Items
- Delete: Right click the item, select **Delete Selected Items** in the menu and click it.
- Copy: Right click the item, select **Copy** in the menu, which can copy the item information to the clipboard. You can also use the shortcut "Ctrl + C" to copy.
- Refresh: Right click the item and select **Refresh** in the menu, or directly press **F5** to refresh.
- Go to: Right click the item and select **Go to...** in the menu to find the corresponding location of the program (probably the shortcut in the Windows Startup folder, or the corresponding item in the registry), where you can modify it manually.
- Properties: Right click the item and select **Properties** in the menu to check properties.
- Disable: Uncheck the item to disable it at system startup.

Some registry items cannot be disabled or deleted.

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PassWatcher

This function provides protection for passwords that are used in online games, online banking, and other situations. CoGen Personal Firewall protects passwords by using process wall technology that effectively prevents passwords from being stolen and transmitted. PassWatcher can be enabled for many different programs that use passwords.

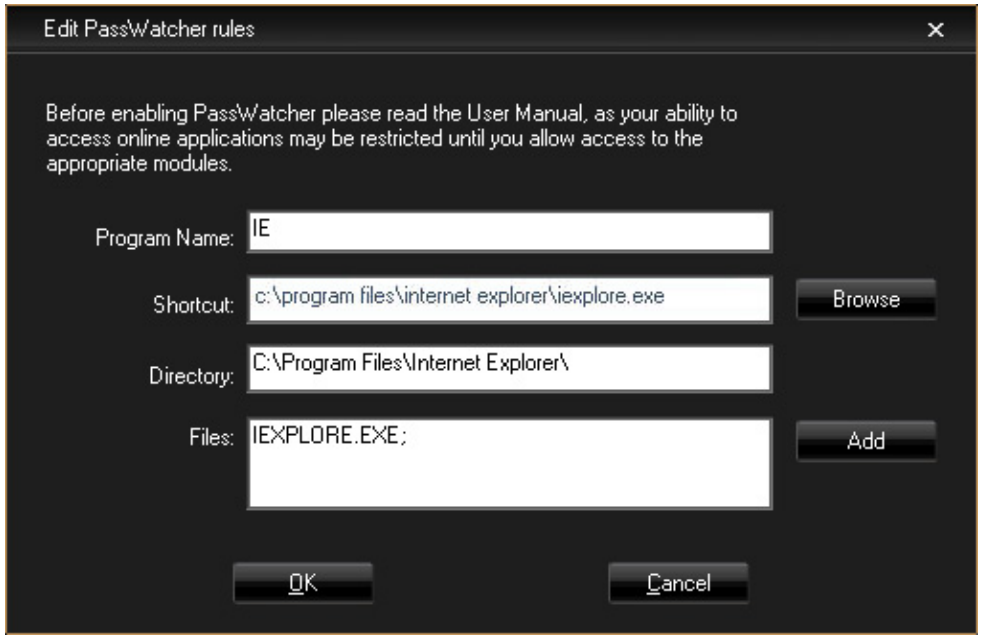
The list displays the program name, version, shortcut, directory and files. PassWatcher will be enabled for all checked items. You can add rules to the list by clicking the PassWatcher tab in the main window.

NOTE: When you first add a program to PassWatcher, you may not be able to enter passwords while using the program. In this case, you need to add the relevant modules for the program to the **Trusted Modules** list. You should determine which modules need to access the program and add them to the list (see below).

Operation:

Add

- Click the **Add** button to show the **Edit PassWatcher rules** window.
- Input the program name and version, and click **Browse** to find the program's shortcut. **Directory** and **Files** will be filled in automatically.



- If a new file is to be added, click **Add** to add the file. You can press Ctrl to select multiple files at one time.

Edit

- Right click and highlight the rule, then select **Edit** to edit the rule.

You can also double click the rule to edit.

Delete

- Select and highlight the rule to delete, then click **Delete** and confirm.

You can also select the rule and press "Delete" key to delete it.

Import

- Click the "Import" button and choose the rules file (*.fwr) in the **Choose file** window, then click **Open**.
- If the rule already exists in the list, you will be asked whether to delete the existing rule during import. You can choose **Yes, No** or **Cancel**.

Export

- You can export self-defined PassWatcher rule(s) to the rule file (*.fwr) by clicking the **Export** button. Input the file name in the pop-up window and click **Save**.
- If the file you select already exists, you will be asked whether to overwrite it during export.

Trusted

Trusted Modules refer to modules which are sure to be secure, or modules for different programs that will be allowed access.

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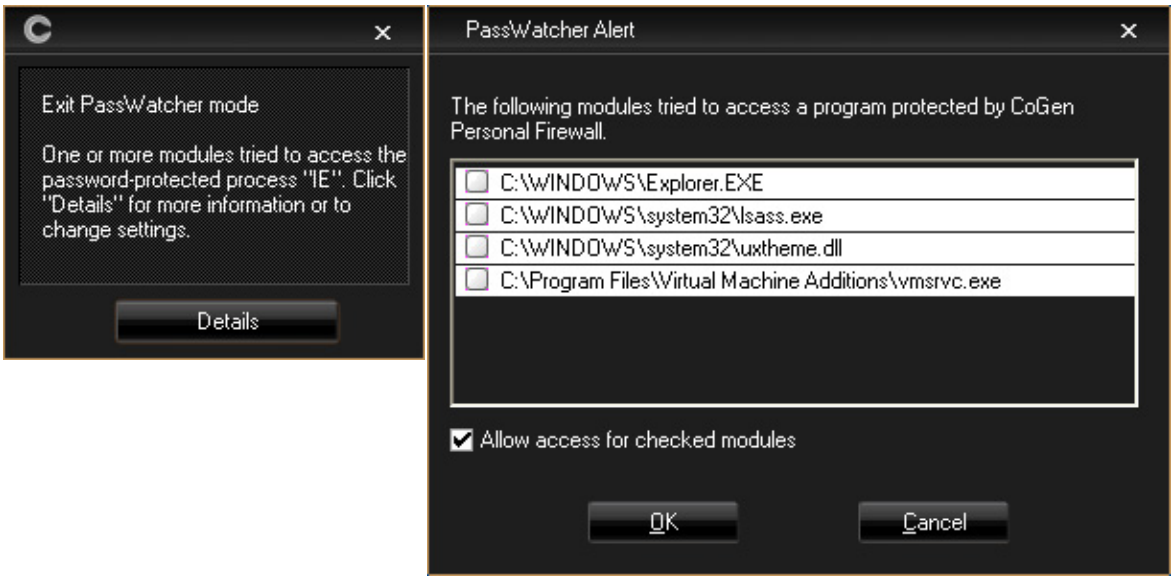
- You can add trusted modules by either of the two methods below:
  - Click the **Trusted** button and click **Add** in the pop-up window, then add the modules that will be permitted to access the program into the trusted module list.
  - When a listed program is running and a module is attempting access, a pop-up prompt will appear. Click **Details** in the pop-up prompt, then check the boxes next to the trusted modules. Check **Allow the selected module to access the procress** and click **OK**.


Exit PassWatcher mode
One or more modules tried to access the password-protected process "IE". Click "Details" for more information or to change settings.
Details
PassWatcher Alert
The following modules tried to access a program protected by CoGen Personal Firewall.
C:\WINDOWS\Explorer.EXE
C:\WINDOWS\system32\lsass.exe
C:\WINDOWS\system32\uxtheme.dll
C:\Program Files\Virtual Machine Additions\vmsrvc.exe
Allow access for checked modules
OK
Cancel

- To delete the trusted module, please click **Trusted** button and click the module to be deleted in the pop-up window, then click **Delete** button and press **Yes** to confirm.

Trusted can only be applied by clicking the button. **Edit** can only be used through the right-click menu. Other functions can be used by either method.

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Application Rules

You can adjust filter rules for programs which access the network in the local computer.

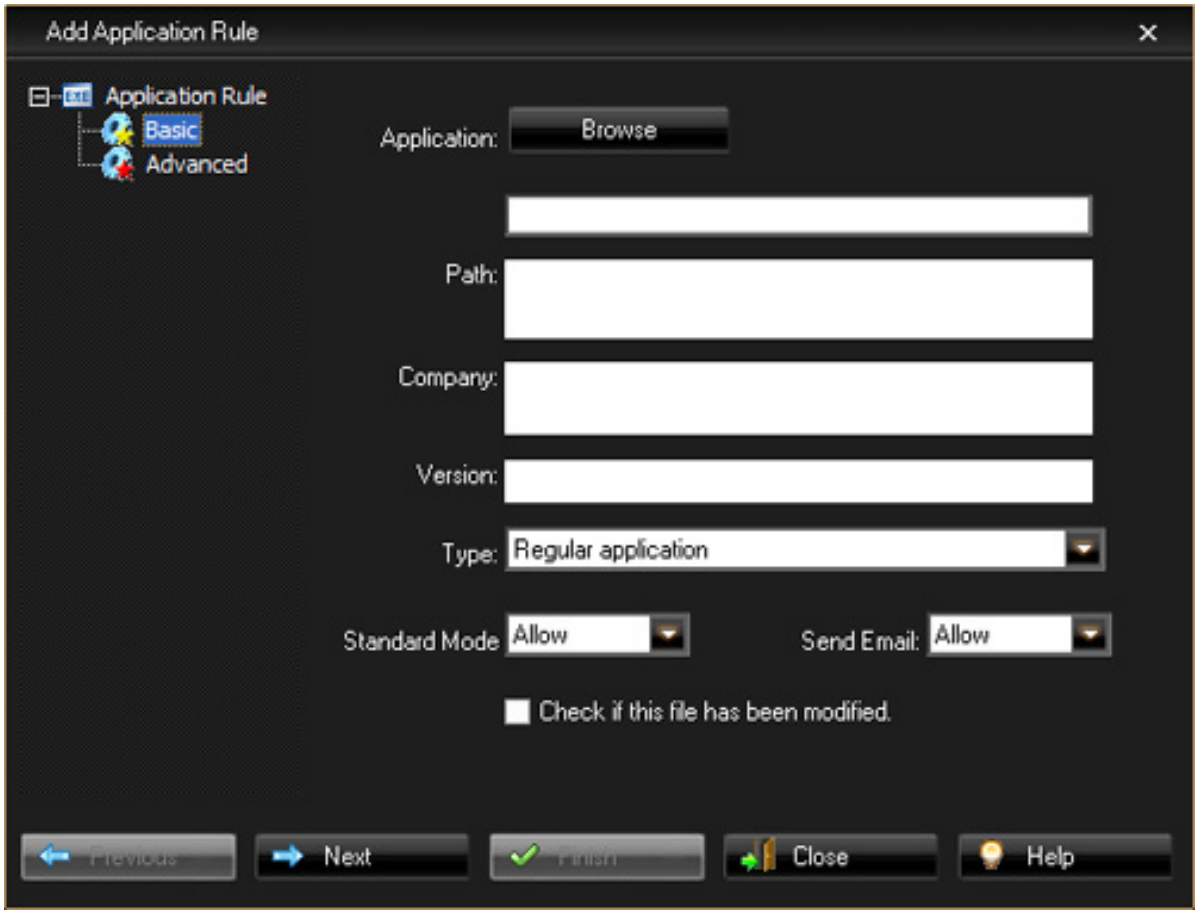
➢ Display

- Your computer's applications and their status are given in the list.
- Checked items take effect.

➢ Related Operation

Add

1. Click **Add** button, or right click the item and select **Add** in the popup menu to open **Add Application Rule** window.



2. Click **Browse** to locate the application program. The interface automatically shows the name, computer and version information.
3. Select type, application in standard mode, whether email transmission is allowed.
4. Check if files in Application Rules have been modified. If you check this item, the firewall will check if it is modified when the application program accesses the network.
5. Click **Next** button, or click **Advanced** on the left to enter Advanced Settings interface, you can then set application rules under various modes.

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6. Set whether it can **Run as server**.
7. Click **Finish** to save and exit.

Edit

1. Select and highlight the rule to be edited. Right click the rule, and select **Edit** in the popup menu to open **Edit** window.
2. Edit the item where basic items are as same as in **Add**. Click **Save** to finish, or click **Exit** to give up the edit.

You can also double click the item to open **Edit** window.

Delete

1. Select and highlight the rule to be deleted, then click **Delete** button, or right click the item and select **Delete** in the popup menu.
2. Confirm to delete.

You can also select the item, then press "Delete" key to delete the rule.
When rules are selected, you can select multiple items by pressing "Ctrl" key and "Shift" key.

Import

1. Click "Import" button and select rule files (*.fwr) in the popup menu, then click **Open**.
2. If there are rules already in the list, you will be asked whether to delete the existing rules during import. You can choose **Yes, No, or Cancel**.

Export

1. Click **Export** and input the file name in the popup menu, then click **Save**.
2. If the file you select already exits, you will be asked whether to overwrite during export.

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Blacklist

Specified computers on the list will be denied communication with your computer.

➢ Display

- The list displays Rule, IP Address, Created by and Duration
- Checked items take effect

➢ Related Operation

Add

1. Click **Add** button, or right click the item to select **Add** in the pop-up menu, then "Add Blacklist Rule" prompt opens.
2. Input name, IP type, Specific or Address range, Enter IP, then click **Save**.

Duration can be skipped, which is automatically completed when the attacker's information is added into the blacklist.

Edit

1. Select and highlight the rule to edit, then select **Edit** to open **Edit Blacklist Rule** prompt.
2. Edit the items, then click **Save** to complete this edit, or click **Cancel** to give up this edit.

You can also double click the item to open **Edit Blacklist Rule** prompt.

Delete

1. Select and highlight the rule to delete, then select **Delete** button, or right click the item and select **Delete** in the pop-up window.
2. Select **OK** to delete.

You can also press "Delete" key to delete the selected rule.
With "Ctrl" and "Shift" keys, multiple rules can be selected.

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Whitelist

Whitelist Rules specify IP addresses that are always permitted communication with and have full access to the local computer. For example, a VPN server can be added to this list. Use caution when editing this list.

➢ Display

- The list displays Rule and IP Address.
- Checked items take effect.

➢ Operation

Add

1. Click **Add** button, or right click the item to select **Add** in the pop-up menu, then **Add Whitelist Rule** prompt opens.
2. Input name, IP Address, Specific or Address range, Enter IP, then click **Save**.

Edit

1. Select and highlight the rule to edit, then select **Edit** to open **Edit Whitelist Rule** prompt.
2. Edit the items, then click **Save** to complete this edit, or click **Cancel** to give up this edit.

You can also double click the item to open **Edit Whitelist Rule** prompt.

Delete

1. Select and highlight the rule to delete, then select **Delete** button, or right click the rule and select **Delete** in the pop-up window.
2. Select **OK** to delete.

You can also press "Delete" key to delete the selected rule.
With "Ctrl" and "Shift" keys, multiple rules can be selected.

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Ports

You can allow or deny communications with selected ports by creating rules.

➢ Display

- The list displays the port, permission, protocol and computer for the selected rule
- Checked items will take effect

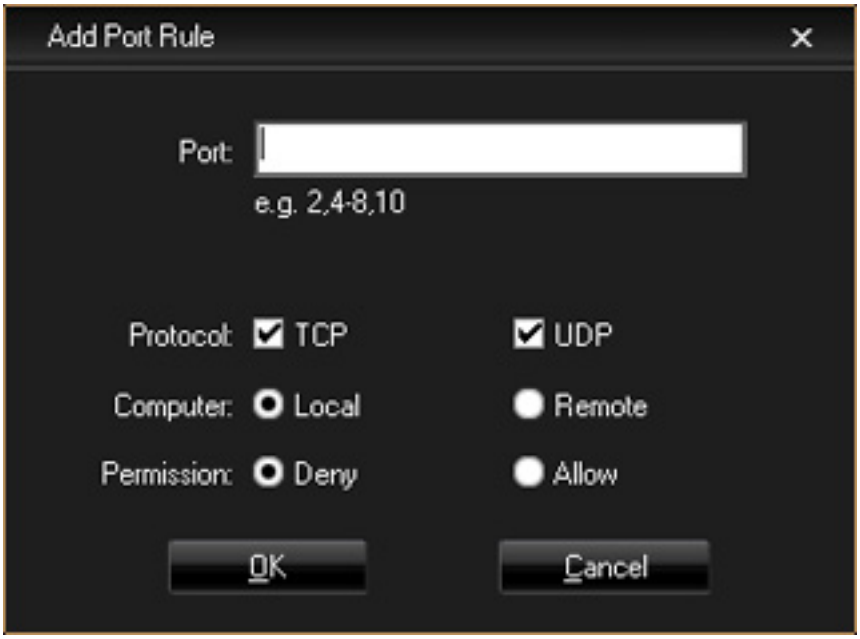
➢ Related Operation

Add

1. Click **Add** button, or right click the item and select **Add** to open **Add Port Rule** window.
2. Input port, protocol, computer, permission, then click **OK**.

When the port numbers are input, several ports can be separated by commas, e.g. 2,4-8,10.

Edit



1. Select and highlight the rule to be edited. Right click the rule, and select **Edit** in the popup menu to open **Edit Port Rule** window.
2. Edit the item, then click **Save** to finish, or click **Exit** to give up the edit.

You can also double click the item to open **Edit Port Rule** window.

Delete

1. Select and highlight the rule to be deleted, then click **Delete** button, or right click the item and select **Delete** in the popup menu.
2. Confirm to delete.

You can also select the item, then press "Delete" key to delete the rule.
When rules are selected, you can select multiple items by pressing "Ctrl" key and "Shift" key.

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Trusted Zone

You can create Trusted Zones for local networks that do not pose a great risk to your computer.

You can set the list of Trusted Zones and adjust settings. If you create a Trusted Zone with your local area network's IP address, the settings will apply to all computers in that network. By default, remote computers are not in a Trusted Zone. If your computer is directly connected to Internet, use caution when setting up a Trusted Zone.

➢ Display

- The list displays the Name, Local IP and Remote IP for the Trusted Zones

➢ Operation

Add

1. Click **Add** button, or right click the item to select **Add** in the pop-up menu, then **Trusted Zone Rule** prompt opens.
2. Input Name, Local / Remote IP, then click **OK**.

When **Local IP** is **Specific address**, click Browse to select a local IP.

Edit

1. Select and highlight the rule to edit, then select **Edit** to open **Trusted Zone Rule** prompt.
2. Edit the items, then click **Save** to complete this edit, or click **Cancel** to give up this edit.

You can also double click the item to open **Trusted Zone Rule** prompt.

Delete

1. Select and highlight the rule to delete, then select **Delete** button, or right click the rule and select **Delete** in the pop-up window.
2. Select **OK** to delete.

You can also press "Delete" key to delete the selected rule.

Choose settings for the selected Trusted Zone:

1. Select a relevant rule, then check **Allow inbound/outbound ping**, **Allow inbound connection from remote high-risk ports** when Security Level is set at Medium, **Allow outbound connection from remote high-risk ports** when Security Level is set at Medium".

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IP Rules

IP Rules can be customized to provide security for your system.

The more rules there are, the lower overall system performance will be. There is no need to add rules related to applications since the firewall will open the port when the application needs it. Also, you should not add preventive rules, since such rules are built inside the system and will be updated automatically.

➢ Display

- The list displays the IP rules currently used, including rule name, status, protocol, remote port, local port and alert.
- Rules are sorted based on filter sequence.
- Checked items take effect.

➢ Related Operation

Add

1. Click **Add** button, or right click the item and select **Add** in the popup menu to open **Add IP Rule** window.
2. Add rule name, and select the action after a match is found.
3. Click **Address** in the left menu or click **Next**, then input the local address and remote address. If the local address is specified, click **Browse** to select a local address.
4. Click **Protocol** in the left menu or click **Next**, then configure the protocol. For more information, refer to Protocol Settings.
5. Click **Alert Mode** in the left menu, or click **Next**, then select the alert mode after a match is found:

- Balloon notice: Notify the user by balloon notice
- Popup menu: Notify the user by popup menu
- Record in log: whether to record it in the log

Insert

1. Select one item with existing rules.
2. Click **Insert** button to show **Add IP Rule** window.
3. Other actions are as same as those in **Add.**
4. Inserted rules are listed before the selected rule in the first step.

Edit

1. Select and highlight the rule to be edited. Right click the rule, and select **Edit** in the popup menu to open **Edit** window.
2. Edit the item where basic items are as same as in **Add**. Click **Save** to finish, or click **Exit** to give up the edit.

You can also double click the item to open **Edit** window.

Delete

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1. Select and highlight the rule to be deleted, then click **Delete** button, or right click the item and select **Delete** in the popup menu.
2. Confirm to delete.

You can also select the item, then press "Delete" key to delete the rule.
When rules are selected, you can select multiple items by pressing "Ctrl" key and "Shift" key.

Import

1. Click **Import** button and select rule files (*.fwr) in the popup menu, then click **Open**.
2. If there are rules already in the list, you will be asked whether to delete the existing rules during import. You can choose **Yes, No, or Cancel**.

Export

1. Click **Export** and input the file name in the popup menu, then click **Save**.
2. If the file you select already exits, you will be asked whether to overwrite during export.

Move

1. Select and highlight the rule to be moved.
2. Right click it, then choose "Move Up" / "Move Down" in the popup menu, then the rule can be moved up / down.

After the item is selected, you can also move the file by pressing "Ctrl" key + "Up" / "Down" key.

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Protocol Settings

Protocol Type

- Protocols can be categorized into 11 types, such as ALL, TCP, UDP, TCP OR UDP, ICMP, IGMP, ESP, AH, GRE, RDP, SKIP.
- Different protocol types will affect the following options.

Port

- This function sets remote and local ports.
- The user may select **Any Port, Specific Port, Port Range or Specific Port**.

ICMP

It will only be displayed when the protocol type is "ICMP".

- Specific type: Specify a single filter type.
- Select types: Specify multiple types for combination and control direction. Click **Select** to enter detailed settings and select the types to be controlled. Then check **Inbound, Outbound**, and click the **Apply** button to take effect.
- Any type: Effective to all ICMP types.

Characteristics

- Check **Check characteristics**, click the **Edit** button to open the **Define Data Packet Characteristics** window.
- Input the offset. Press **Insert** key in **Content** box. Insert a byte when you press the key each time.
- The characteristics string can support 27 types at the most. In the content box, hexadecimal numbers are shown on the left and ASCII are displayed on the right.
- When you click **OK** to exit, it will automatically calculate the length according to the string you've input.

TCP Flags

These are only shown when the protocol type is "TCP" or "TCP OR UDP".

- Select **Check TCP flags** and click the **Edit** button to open the **Check the Following TCP Flags** window.
- Check the items you wish to set into **allow**, and click **OK** to take effect.
- TCP flags include:
    - URG: Effective for urgent packet(s). This is used to prevent TCP data stream disruption.
    - ACK: Acknowledge serial number is effective. This prompts the remote system when it has successfully received all data.

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- PSH: Submission to the application layer as soon as possible. This means requested data segment can be directly sent to the application program after the segment is obtained by the recipient. It is unnecessary to send until the buffer is full.
- RST: Reset connection. This is used to reset any wrong connection and/or to refuse illegal data and request(s).
- SYN: Synchronize the connection. This is effective only when TCP connection is set and will prompt the TCP connection client to check the serial number.
- FIN: Finish transmission. Data packet with this flag bit is used to finish a TCP dialog, but the corresponding port still remains open, ready to receive any subsequent data.

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